SEQUENCE LISTING

111	$CFMFD\Delta I$.	INFORMATION
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(i)	זממג ו	ICANT:
1 1	I APPL	TUANT:

- (A) NAME: Pharmacia & Upjohn AB
- (B) STREET: Lindhagensgatan 133
- (C) CITY: Stockholm
- 10 (E) COUNTRY: Sweden
 - (F) POSTAL CODE (ZIP): S-112 87
 - (G) TELEPHONE: +46 8 695 80 00
 - (ii) TITLE OF INVENTION: Directed cytolysis of target cells, agents and compositions causing cytolysis, and compounds that can be used to produce the agents.
 - (iii) NUMBER OF SEQUENCES: 23
- 20 (iv) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

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- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 33 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- 35 (ii) MOLECULE TYPE: other nucleic acid
 - (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ATATAAGCTT CCACCATGGG CCACACACGG AGG

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	(2)	INFO	RMATION FOR SEQ ID NO: 2:	
5		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 35 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
10		(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"	
15		(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
	ACGC	AGAT	CT TTAGTTATCA GGAAAATGCT CTTGC	35
20	(2)	INFO	RMATION FOR SEQ ID NO: 3:	
25		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 39 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
30		(ii)	MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"	
		(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
35	TCA	AAGCT	TC TCGAGCGCGC TGTTATCAGG AAAATGCTC	39
J J	(2)	INFO	RMATION FOR SEQ ID NO: 4:	

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- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 46 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii)) MOLECULE	TYPE:	other	nucleic	acid
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(A) DESCRIPTION: /desc = "oligonucleotide DNA primer"

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

CGCGCGTCAG GCTAACGAAC TGCCAGGCGC CCCGTCACAG AGACGA

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- (2) INFORMATION FOR SEQ ID NO: 5:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 60 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: other nucleic acid
 - (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
- 25 AGCTTCGTCT CACGCGCGTT CTTCCTGTGA CGGGGCGCCT GGCAGTTCGT TAGCCTGACG 60
 - (2) INFORMATION FOR SEQ ID NO: 6:
- 30 (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 32 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

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- (ii) MOLECULE TYPE: other nucleic acid
 - (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"
- 40 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

TGGTACACCA CAGAAGACAG CITGTATGTA TG

	(2) INFORMATION FOR SEQ ID NO: 7:	
5	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 32 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
10	(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
	CATACATACA AGCTGTCTTC TGTGGTGTAC CA	32
20	(2) INFORMATION FOR SEQ ID NO: 8:	
25	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"</pre>	
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	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	
35	CGAATAAGAA AGACGTCACT GTTCAGGAGT TGG	33
	(2) INFORMATION FOR SEQ ID NO: 9:	
40	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

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		CCAACTCCIG AACAGIGACG TCITTCTTAT TCG							
	10	(2) INFORMATION FOR SEQ ID NO: 10:							
	15	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 32 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 							
	20	<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>							
	25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10: GAGATAATAA AGTTATTAAC TCAGAAAACA TG							
e seen	30	(2) INFORMATION FOR SEQ ID NO: 11:							
	35	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 32 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 							
		<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>							

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

CATGITITCI GAGITAATAA CITTATTATC TC

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	(2) INFORMATION FOR SEQ ID NO: 12:	
5	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 49 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
10	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
15	CGCGGATCCG CGCGGCACCA GGCCGCTGTT ATCCGGAAAA TGCTCTTGC	49
	(2) INFORMATION FOR SEQ ID NO: 13:	
20	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 77 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
25	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
30	CCGGATAACA GCGCGCGTCA GGCTAACGAA CTCCCAGGCG CCCCGTCACA GGAAGAACGC	60
	CCGCAGGTCC AACTGCA	77
35	(2) INFORMATION FOR SEQ ID NO: 14:	
40	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 69 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	<pre>(ii) MOLECULE TYPE: other nucleic acid</pre>	

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	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	
	GTIGGACCIG CGGGCGTTCT TCCTGTGACG GGGCGCCTGG CAGTICGTTA GCCTGACGCG 6	0
• 5	CGCTGTTAT	9
	(2) INFORMATION FOR SEQ ID NO: 15:	
10	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
15	(ii) MOLECULE TYPE: peptide	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:	
	Ser Ala Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu 1 5 10 15	*
25	Arg Ala	
	(2) INFORMATION FOR SEQ ID NO: 16:	
30	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
35	(ii) MOLECULE TYPE: peptide	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:	
40	Ser Ala Arg Gln Ala Asn Glu Leu Pro Gly Ala Pro Ser Gln Glu Glu 1 5 10 15	1

	(2) INFORMATION FOR SEQ ID NO: 17:	
5	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 84 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
10	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"</pre>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:	
	GCGGATCCCG GTCCGCGTCA GGCTAACGAA CIGCCAGGAG CTCCGTCTCA GGAAGAGCGT	60
	GCACCTACTT CAAGTTCTAC AAAG	84
20	(2) INFORMATION FOR SEQ ID NO: 18:	
25	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 38 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
30	<pre>(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "oligonucleotide DNA primer"</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:	
35	CCGAATTCGC TAGCTTATCA AGTTAGTGTT GAGATGAT	38
	(2) INFORMATION FOR SEQ ID NO: 19:	
40	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 11 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

			(ii)	MOLE	CULE I	YPE:	peptide	:								
	c		(xi)	SEQU	ENCE D	ESCRI	PTION:	SEQ ID	NO:	1 9 :						
	5		Pro 1	Ala	Ser Gl	y Gly 5	Gly Gl	y Ala (Gly	Gly 10	Pro					
1	. 0	(2)	INFO	RMATI	ON FOR	SEQ	ID NO:	20:								
1	. •		(i)	(A) (B) (C)	LENGT TYPE: STRAN	TH: 17 amin IDEDNE	TERISTI amino o acid SS: sir	acids								
1	. 5			(D)	TOPOI	.OGY :	linear									
			(ii)	MOLE	CULE 1	TYPE:	peptide	9								
2	20		(xi)	SEQU	ENCE I	DESCRI	PTION:	SEQ ID	NO:	20:						
_			Gly 1	Pro .	Arg Gl	ln Ser 5	Asn G	lu Thr	Pro	Gly 10	Ser	Pro	Ser	Gln	Glu 15	Glu
2	25		Arg													
		(2)	INFO	RMATI	ON FOR	R SEQ	ID NO:	21:								
	30		(i)	(A) (B) (C)	LENG: TYPE STRAI	TH: 17 : amir NDEDNE	TERIST: amino o acid SSS: sin linear	acids ngle								
	35		(ii)	MOLE	CULE :	TYPE:	peptid	е								
			(xi)	SEQU	JENCE I	DESCRI	PTION:	SEQ II	NO ·	: 21:	:					
	40		Gly 1	Pro	Arg G	ln Ala 5	a Lys T	hr Leu	Pro	Gly 10	Ala	Pro	Ser	Gln	Thr 15	Thr

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	(2)	INFOR	MATION FOR SEQ ID NO: 22:					
5		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					
		(ii)	MOLECULE TYPE: peptide					
15		(xi)	SEQUENCE DESCRIPTION: SEQ ID NO): 22:				
		Gly 1	Pro Thr Glu Ala Asp Glu Leu Pro 5	Gly Ala 10	Pro	Ser G	3lu 15	Glu
20		Thr						
	(2)	INFO	RMATION FOR SEQ ID NO: 23:					
25		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear					
30		(ii)	MOLECULE TYPE: peptide					
		(xi)	SEQUENCE DESCRIPTION: SEQ ID NO	0: 23:				
35		Gly 1	Pro Arg Gln Ala Asn Glu Leu Pro	o Gly Ala 10	Pro	Ser G	Glu 15	Glu

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